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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	09/841,091
	Filing Date	April 23, 2001
	First Named Inventor	Kuliopulos
	Group Art Unit	1646 1647
	Examiner Name	Not Yet Assigned S. Wege
	Attorney Docket Number	18475-034

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS						
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes	No
SLW	B1	WO 98/00538	Biosignal, Inc.	01/08/1998		
	B2	WO 98/34948	Cornell Research Foundation, Inc.	08/13/1998		
	B3	WO 99/43711	The Government of the United States of America	09/02/1999		
	B4	WO 99/62494	Medical Research Council	12/09/1999		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.				
SLW	C1	Covic, et al. (2002). "Activation and inhibition of G protein-coupled receptors by cell-penetrating membrane-tethered peptides" <i>Proc Natl Acad Sci USA</i> 99(2): 643-648.				
	C2	Covic, et al. (2000). "Intracellular liganding of the PAR1 thrombin receptor by a novel class of cell penetrating peptides" <i>Blood</i> 96(11): 244a. Abstract #1050.				
	C3	Faruqi, et al. (2000). "Structure-Function Analysis of Protease-activated Receptor 4 Tethered Ligand Peptides" <i>J. Biol. Chem.</i> 275(26): 19728-19734.				
	C4	Hammes and Coughlin (1999). "Protease-Activated Receptor-1 Can Mediate Responses to SFLRN in Thrombin-Desensitized Cells: Evidence for a Novel Mechanism for Preventing or Terminating Signaling by PAR1's Tethered Ligand" <i>Biochem. J.</i> 358: 2486-2493.				
	C5	Moro, et al. (1993). "Hydrophobic Amino Acid in the i2 Loop Plays a Key Role in Receptor-G Protein Coupling" <i>J. Biol. Chem.</i> 268(30): 22273-22276.				
	C6	Swift, et al. (2000). "PAR1 Thrombin Receptor-G Protein Interactions" <i>J. Biol. Chem.</i> 275(4): 2627-2635.				
	C7	Trejo and Coughlin (1999). "The Cytoplasmic Tails of Protease-activated Receptor-1 and Substance P Receptor Specify Sorting to Lysosomes versus Recycling" <i>J. Biol. Chem.</i> 274(4): 2216-2224.				
	C8	International Search Report for PCT/US01/13063. Mailed on April 9, 2002.				

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	<i>Sandra Wege</i>	Date Considered	4/29/03
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Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	09/841,091
	Filing Date	04/23/01
	First Named Inventor	Kuliopulos
	Group Art Unit	1846 1647
	Examiner Name S. Wegert	Not yet assigned
	Attorney Docket Number	18475-034 (NEMC-215)

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U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS						
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.					
S4W	C9	Elliot, J. T., Prestwich, G. D. (2000) Maleimide-Functionalized Lipids that Anchor Polypeptides to Lipid Bilayers and Membranes. <i>Bioconjugate Chemistry</i> 11(6):832-841.					
	C10	Palczewski, K., Kumasaka, T., Hori, T., Behnke, C. A., Motoshima, H., Fox, B. A., Le Trong, I., Teller, D. C., Okada, T., Stenkamp, R. E., Yamamoto, M., Miyano, M. (2000) Crystal Structure of Rhodopsin: A G Protein-Coupled Receptor. <i>Science</i> 289:739-745.					
	C11	Gether, U., Kobilka, B. K. (1998) G Protein-coupled Receptors. <i>J Biol. Chemistry</i> 273:17979-17982.					
	C12	Cotecchia, S., Ostrowski, J., Kjelsberg, M. A., Caron, M. G., Lefkowitz, R. J. (1992) Discrete Amino Acid Sequences of the $\alpha 1$ -Adrenergic Receptor Determine the Selectivity of Coupling to Phosphatidylinositol Hydrolysis. <i>J Biol. Chemistry</i> 267:1633-1639.					
	C13	Kostenis E., Conklin, B. R., Wess, J. (1997) Molecular Basis of Receptor/G Protein Coupling Sensitivity Studies by Coexpression of Wild Type and Mutant m2 Muscarinic Receptors with Mutant $G\alpha_q$ Subunits. <i>Biochemistry</i> 36:1487-1495.					
	C14	Kjelsberg, M. A., Cotecchia, S., Ostrowski, J., Caron, M. G., Lefkowitz, R. J. (1992) Constitutive Activator of the α_{1B} -Adrenergic Receptor by All Amino Acid Substitutions at a Single Site. <i>J Biol. Chemistry</i> 267:1430-1433.					
	C15	Luttrell, L. M., Ostrowski, J., Cotecchia, S., Kendall, H., Lefkowitz, R. J. (1993) Antagonism of Catecholamine Receptor Signaling by Expression of Cytoplasmic Domains of the Receptors. <i>Science</i> 259:1453-1457.					
	C16	Okamoto T., Murayama, Y., Hayashi, Y., Inagaki, M., Ogata, E., Nishimoto, I. (1991) Identification of a G_s Activator Region of the $\beta 2$ -Adrenergic Receptor That is Autoregulated via Protein Kinase A-Dependent Phosphorylation. <i>Cell</i> 67:723-730.					
	C17	Gilman, A. G. (1987) G Proteins: Transducers of Receptor-Generated Signals. <i>Ann. Rev. Biochem.</i> 56:615-649.					
	C18	Higashijima, T., Uzu, S., Nakajima, T., Ross, E. M. (1988) Mastoparan, a Peptide Toxin from Wasp Venom, Mimics Receptors by Activating GTP-binding Regulatory Proteins (G Proteins). <i>J Biol. Chemistry</i> 263:6491-6494.					
	C19	Bernatowicz, M. S., Klimas, C. E., Hartl, K. S., Peluso, M., Allegretto, N. J., Seiler, S. M. (1996) Development of Potent Thrombin Receptor Antagonist Peptides. <i>J. Med. Chem.</i> 39:4879-4887.					
	C20	Kuliopulos, A., Covic, L., Seeley, S., Sheridan, P. J., Helin, J., Costello, C. E. (1999) Plasmin Desensitization of the PAR1 Thrombin Receptor: Kinetics, Sites of Truncation, and Implications for Thrombolytic Therapy. <i>Biochemistry</i> 38:4572-4585.					
	C21	Rojas, M., Donahue, J. P., Tan, Z., Lin, Y. (1998) Genetic Engineering of Proteins with Cell Membrane					

Sandra Wegert 4/29/03



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f		Permeability. <i>Nature Biotechnology</i> 16:370-375.
SW	C22	Schwarze, S. R., Ho, A., Vocero-Akbani, A., Dowdy, S. F. (1999) In Vivo Protein Transduction: Delivery of a Biologically Active Protein into the Mouse. <i>Science</i> 285:1569-1572.
	C23	Wikstrom, P., Kirschke, H., Stone, S., Shaw, E. (1989) The Properties of Peptidyl Diazoethanes and Chloroethanes as Protease Inactivators. <i>Archives of Biochem. & Biophysics</i> 270:286-293
	C24	Stephens, G., O'Luanaigh, N., Reilly, D., Harriott, P., Walker, B., Fitzgerald, D., Moran, N. (1998) A Sequence within the Cytoplasmic Tail of GpIIb Independently Activates Platelet Aggregation and Thromboxane Synthesis. <i>J Biol. Chemistry</i> 273:20317-20322.
	C25	Nystedt, S., Emilsson, K., Wahlestedt, C., Sundelin, J. (1994) Molecular Cloning of a Potential Proteinase Activated Receptor. <i>Proc. Natl. Acad. Sci.</i> 91:9208-9212.
	C26	Xu, W., Andersen, H., Whitmore, T. E., Presnell, S. R., Yee, D. P., Ching, A., Gilbert, T., Davie, E. W., Foster, D. C. (1998) Cloning and Characterization of Human Protease-Activated Receptor 4. <i>Proc. Natl. Acad. Sci.</i> 95:6642-6646.
	C27	Kahn, M. L., Zheng, Y., Huang, W., Bigornia, V., Zeng, D., Moff, S., Farese, R. V., Tam, C., Coughlin, S. R. (1998) A Dual Thrombin Receptor System for Platelet Activation. <i>Nature</i> 394:690-694.
	C28	Covic, L., Gresser, A. L., Kuliopulos, A. (2000) Biphasic Kinetics of Activation and Signaling for PAR1 and PAR4 Thrombin Receptors in Platelets. <i>Biochemistry</i> 39:5458-5467.
	C29	Oosterom, J., Garmer, K. M., den Dekker, W. K., Nijenhuis, W. A. J., Hendrick, Gispem, W. H., Burbach, J. P. H., Barsh, G. S., Adan, R. A. H. (2001) Common Structure for Melanocortin-4 Receptor Selectivity of Structurally Unrelated Melanocortin Agonist and Endogenous Antagonist, Agouti Protein. <i>J Biol. Chemistry</i> 276:931-936.
	C30	Milligan, G. (2000) Receptors as Kissing Cousins. <i>Science</i> 288:65-67.
	C31	Pfeiffer, M., Koch, T., Schröder, Klutzny, M., Kirscht, S., Kreienkamp, H., Höllt, V., Schulz, S. (2001) Homo- and Heterodimerization of Somatostatin Receptor Subtypes. <i>J Biol. Chemistry</i> 276:14027-14036.
	C32	Ishii et al. (1994). <i>J. Biol. Chem.</i> 269:1125-1130.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	<i>Sandra Wegert</i>	Date Considered	4/29/03
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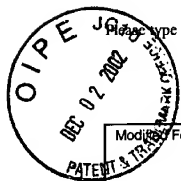
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	Filing Date	April 23, 2001
	First Named Inventor	Kuliopulos
	Group Art Unit	1646/647
	Examiner Name	Not Yet Assigned S. Wege
	Attorney Docket Number	18475-034 (NEMC-215)

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
SLW	A1	6,111,076	8/29/00	Fukusumi, et al.	—	—	9/30/98
	A2	6,096,868	8/1/00	Halsey, et al.	—	—	6/8/99
	A3	5,925,549	7/20/99	Hsueh, et al.	—	—	8/14/97
	A4	6,162,808	12/19/00	Kindon, et al.	—	—	5/18/98
	A5	5,747,267	5/5/98	Mulvihill, et al.	—	—	5/31/95

FOREIGN PATENT DOCUMENTS						
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
SLW	C33	Tarasova, Nadya (1999). "Inhibition of G-protein-coupled Receptor Function by Disruption of Transmembrane Domain Interactions" <i>J. Biol. Chem.</i> 274:34911-34915.
SLW	C34	Vergnolle, et al. "Protease-Activated Receptors in Inflammation, Neuronal Signaling and Pain" <i>TRENDS Pharma. Sci.</i> 22:146-152.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	4/29/03
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